



# CALIFORNIA AGRICULTURAL EMPLOYMENT AND EARNINGS BULLETIN

Serving the People of California

October 1991

## AUGUST 1991

This bulletin covers 27 agricultural industries statewide, and from five to seventeen industries in each of six regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details). The data are organized into sets of tables by state and region:

- Wage and Salary Workers (Table A).
- Agricultural Production Workers (Table B).
- Average Weekly Earnings of Production Workers (Table C).
- Average Hours Worked by Production Workers (Table D).
- Average Hourly Earnings of Production Workers (Table E).

Agricultural employment totaled 451,000 in August (Table 1-A), a three percent gain from the July 1991 level. A year ago, total employment was 444,500. Month-over increases in the San Joaquin Valley (Grapes), Sacramento Valley (Tree Fruits), and North Coast (Fruits and Nuts) were the reason for the statewide gain. Employment declined in the Desert (Grapes and Farm Labor Contractors) and South Coast (Berries). Employment was unchanged in the Central Coast.

### Wage and Salary Workers in Agricultural Establishments

For August 1991

(In Thousands)

Industry	State- wide	San Joaquin	South Coast	Central Coast	Desert	Sacra- mento	North Coast
Total Agricultural	451.0	224.8	63.6	78.8	31.0	39.7	16.6
Total Crops	266.9	127.9	42.2	52.0	9.3	29.2	10.8
Total Livestock	28.3	14.7	2.8	1.2	5.2	2.2	2.1
Total Services	155.8	82.2	18.6	25.6	16.5	8.3	3.7

Source: Tables 1-A through 7-A, August 1991.

### REGIONAL CROP ACTIVITIES

Statewide, year-over employment increases in Crops Production (concentrated in grapes, vegetables and melons) outweighed losses in Farm Labor Contracting. The only region employing fewer workers than a year ago was the South Coast; all other regions had increased employment. (Tables 1-A through 7-A.)

According to the California Farm Labor Report (881A), the major regional crop activities during August were:

According to the California Farm Labor Report (881A), the major regional crop activities during August were:

- South Coast                      Horticulture (harvest), tomatoes (cultivate and harvest), strawberries and broccoli (plant, cultivate and harvest).
- Central Coast                      Broccoli, cauliflower, lettuce, strawberries, raspberries and cucumbers (harvest), lettuce and misc. vegetables (preharvest), and horticulture (plant, cultivate and harvest).
- San Joaquin Valley:              Cantaloupes, peaches, grapes, nectarines, peppers, plums and tomatoes (harvest), seed crops (preharvest), misc. vegetables (plant, cultivate and harvest), and cotton (weed and thin).

### **Agricultural Production Workers**

The August statewide agricultural production worker employment figure was 418,000 (Table 1-B); this was three percent above the July level.

Average weekly earnings for agricultural production workers were \$263.76 statewide and ranged from \$249.13 in the San Joaquin Valley Region to \$303.73 in the Sacramento Valley Region. (Tables 1-C through 7-C.)

Statewide, the average hours worked by agricultural production workers were 41.8, with a low of 40.4 hours in the Desert Region and a high of 44.2 hours in the Sacramento Valley Region. (Tables 1-D through 7-D.)

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## **Average Hourly Earnings of Production Workers**

For August 1991

(In Dollars per Hour)

<b>Industry</b>	<b>State- wide</b>	<b>San Joaquin</b>	<b>South Coast</b>	<b>Central Coast</b>	<b>Desert</b>	<b>Sacra- mento</b>	<b>North Coast</b>
Total Agricultural	6.31	5.96	6.52	7.03	6.50	5.94	7.08
Total Crops	6.31	6.02	6.35	6.96	6.36	5.99	6.69
Total Livestock	6.99	6.87	6.51	7.88	8.00	7.11	6.73
Total Services	6.18	5.66	6.98	7.16	5.98	5.40	8.10

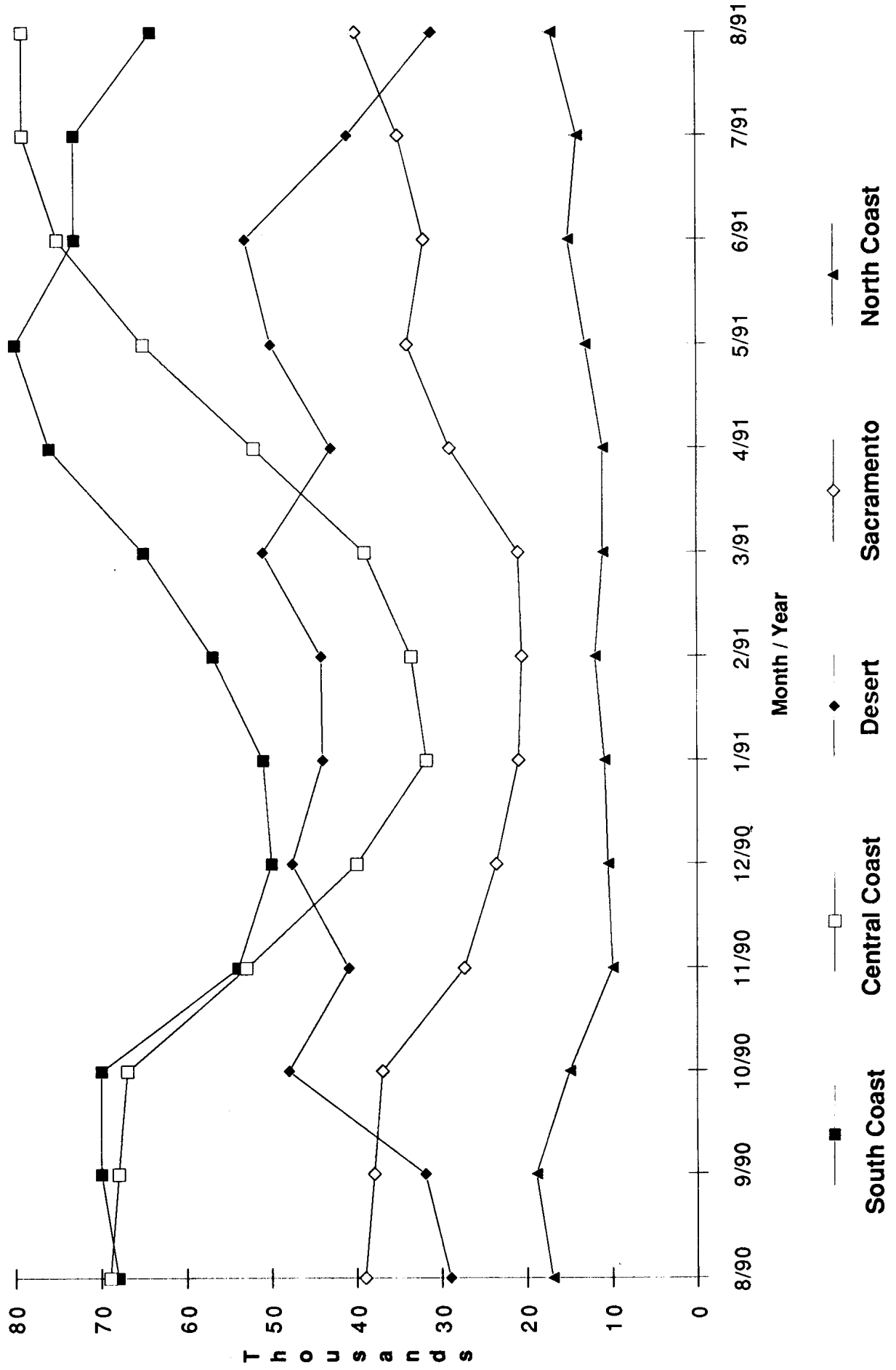
Source: Tables 1-E through 7-E, August 1991.

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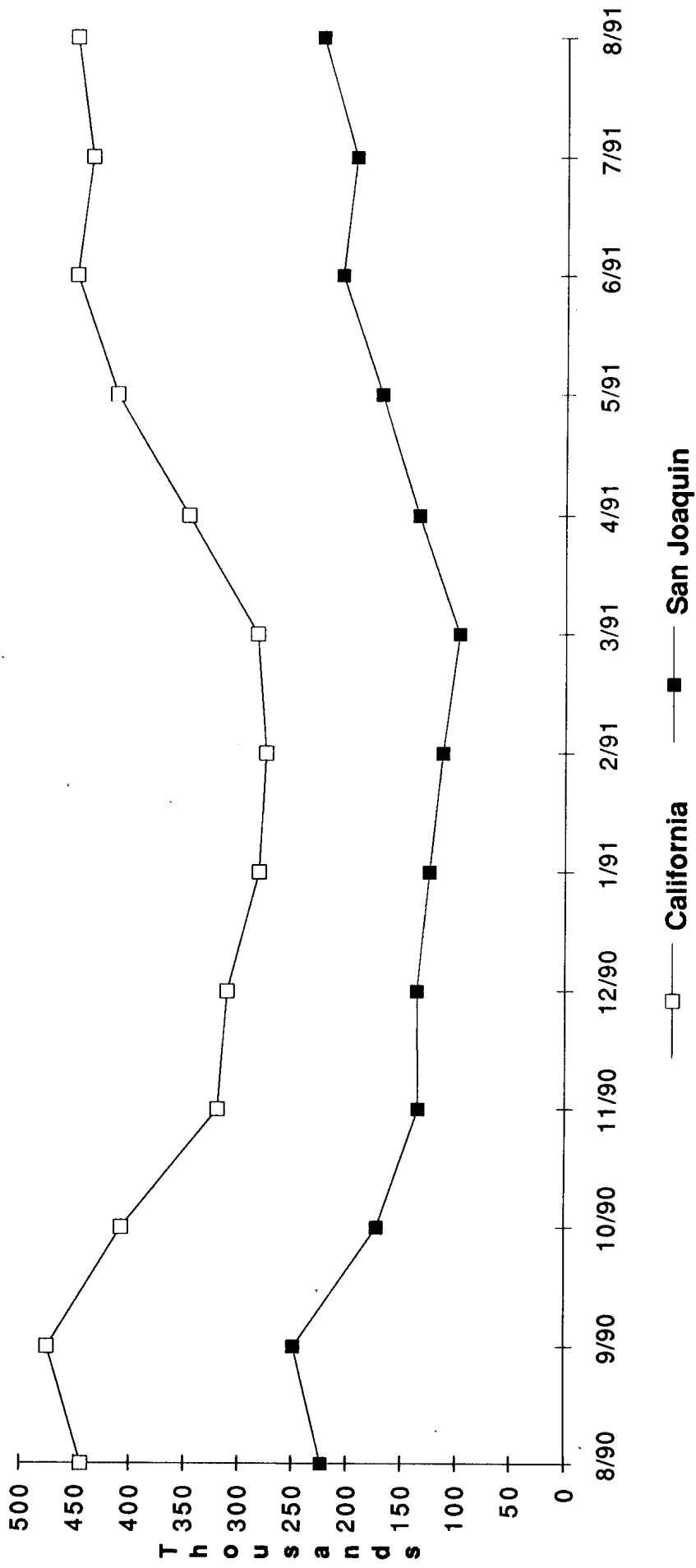


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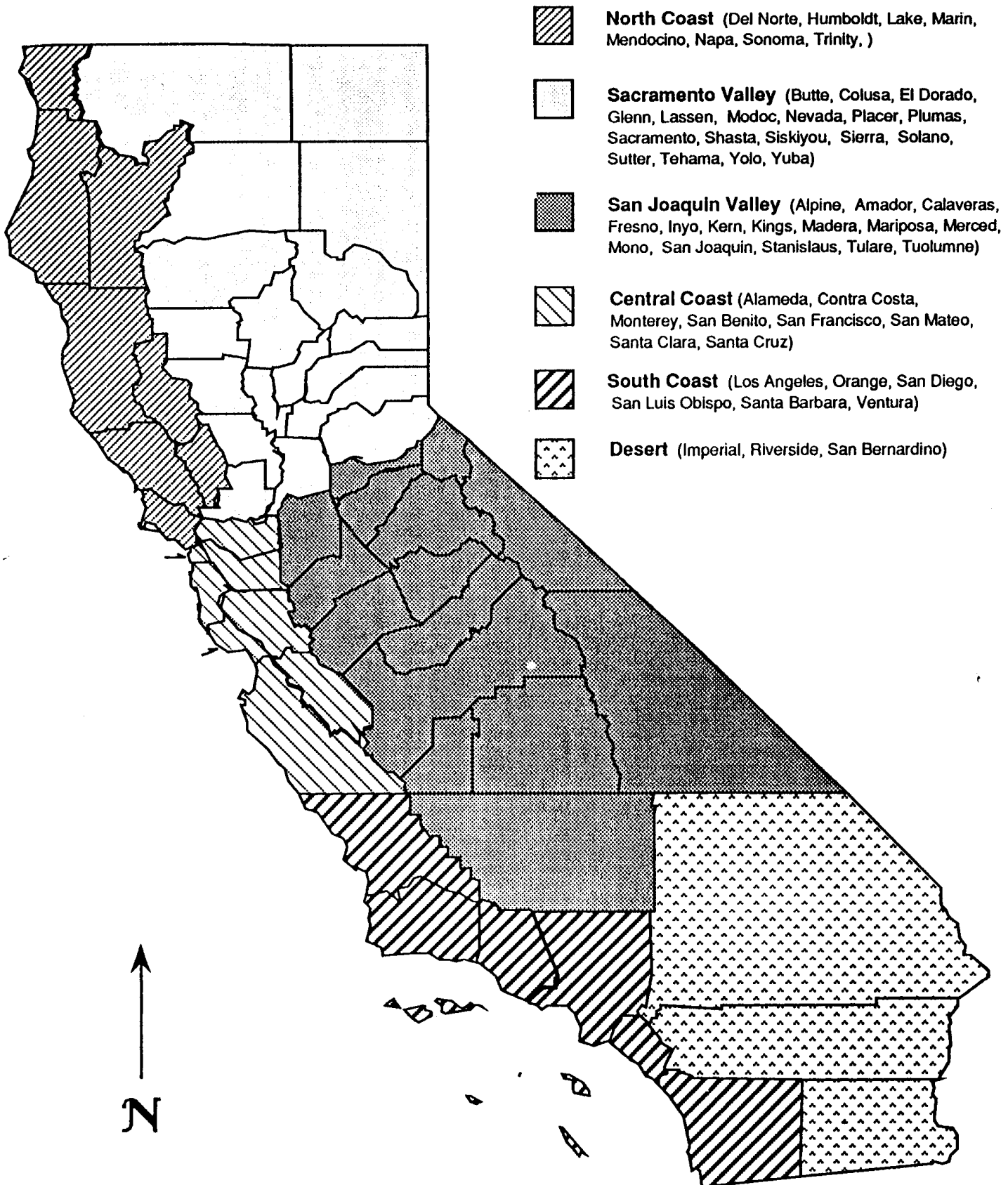
# **TOTAL WAGE & SALARY EMPLOYMENT** **All Regions except San Joaquin**



# **TOTAL WAGE & SALARY EMPLOYMENT** **California and San Joaquin Region**



**CES-AG REPORTING REGIONS**  
**LABOR MARKET INFORMATION DIVISION**  
**EMPLOYMENT DEVELOPMENT DEPARTMENT**



## **DATA SOURCES:**

The data are obtained from two sources: the Employment Development Department (EDD) Unemployment Insurance (UI) files, and a monthly survey, conducted by the Labor Market Information Division of EDD, of 4,000 agricultural employers. This sample, about 12% of the employers, was selected to be statistically representative of the state's agricultural employers by size, geographic location and industry categories.

Sample data are gathered for the week that includes the 12th calendar day of the month; thus all data in these bulletins represent activities taking place during this mid-month period. Since the full employer sample was not complete prior to October 1990, the data for production workers employment, earnings and hours are not yet available for year-over comparison.

## **DATA COMMENTS:**

**ESTIMATES FOR THE STATE AND SIX REGIONS ARE INDEPENDENTLY DERIVED. THEREFORE, THE SUM OF THE REGIONAL ESTIMATES WILL NOT NECESSARILY EQUAL THE STATEWIDE TOTAL.**

To aid in accurate usage and interpretation of the data, please note the following:

- Employment data do not include employers or unpaid family workers.
- Figures for the current month are preliminary and subject to revision.
- Total agricultural employment estimates in this bulletin are derived from a new monthly sampling project: the Current Employment Statistics for Agriculture. Therefore, estimates in this bulletin will differ from other agricultural estimates published by this department because of differences in the number of agricultural industries covered and in the definition of workers.

If you wish to be placed on our mailing list to receive future issues of this publication, please send your name and address to: **Special Projects Unit, Labor Market Information Division, Employment Development Department, P.O. Box 826216, Sacramento, CA 94299-9994 or call (916) 427-4961. (ATSS 8-466-4961).**

**TABLE 1-A**  
**WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)**  
**CALIFORNIA**  
**(IN THOUSANDS)**

INDUSTRY	AUG 1991	JUL 1991	AUG 1990
TOTAL AGRICULTURAL	451.0	437.1	444.5
TOTAL AGRIC. PROD. CROPS	266.9	257.1	244.2
CASH GRAINS	3.6	3.9	3.4
RICE	1.8	1.7	1.8
OTHER CASH GRAIN	1.8	2.2	1.6
FIELD CROPS EXCEPT CASH GRAIN	16.2	16.8	13.6
COTTON	9.5	10.0	7.6
OTHER FIELD CROPS	6.7	6.8	6.0
VEGETABLES AND MELONS	43.7	44.8	37.1
TOTAL FRUIT AND TREE NUTS	131.1	120.9	116.8
BERRIES	18.2	26.2	17.2
GRAPES	56.3	45.2	44.7
TREE NUTS	7.0	5.8	7.3
CITRUS FRUITS	4.1	4.4	5.4
DECIDUOUS TREE FRUIT	29.0	24.1	27.7
OTHER FRUITS AND NUTS	16.5	15.2	14.5
TOTAL HORTICULTURAL SPECIALTIES	31.7	31.7	33.6
ORNAMENTAL FLORAL & NURS PRD	28.2	28.3	30.0
FOOD CROPS GROWN UNDR COVER	3.5	3.4	3.6
GENERAL FARM PRIMARILY CROP	40.6	39.0	39.7
TOTAL AGRIC. PROD. LIVESTOCK	28.3	28.2	28.2
BEEF CATTLE FEED LOTS	0.9	0.9	0.9
BEEF CATTLE EXCEPT FEED LOTS	4.1	4.0	4.2
DAIRY FARMS	13.6	13.6	13.2
CHICKEN EGGS	3.2	3.2	3.3
TURKEYS & TURKEY EGGS	1.3	1.4	1.3
OTHER LIVESTOCK	5.2	5.1	5.3
TOTAL AGRICULTURAL SERVICES	155.8	151.8	172.1
SOIL PREPARATION SERVICES	1.1	1.1	1.0
CROP SERVICES	53.8	51.7	53.0
CROP PLANT-CULT-PROTECTION	5.0	5.2	6.0
CROP HARVEST PRIM. MACHINE	10.1	11.3	9.1
CROP PREP. SERV. FOR MARKET	37.8	34.4	37.1
COTTON GINNING	0.9	0.8	0.8
TOTAL FARM LABOR & MANAGEMENT	100.9	99.0	118.1
FARM LABOR CONTRACTORS	93.5	90.9	107.5
FARM MANAGEMENT SERVICES	7.4	8.1	10.6

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 1-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
CALIFORNIA  
(IN THOUSANDS)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	418.0	405.7
TOTAL AGRIC. PROD. CROPS	245.9	237.4
CASH GRAINS	3.2	3.5
RICE	1.5	1.4
OTHER CASH GRAIN	1.7	2.1
FIELD CROPS EXCEPT CASH GRAIN	14.8	15.5
COTTON	8.9	9.4
OTHER FIELD CROPS	5.9	6.1
VEGETABLES AND MELONS	40.6	41.9
TOTAL FRUIT AND TREE NUTS	123.9	114.6
BERRIES	17.8	25.8
GRAPES	53.2	42.5
TREE NUTS	6.2	5.2
CITRUS FRUITS	3.7	4.0
DECIDUOUS TREE FRUIT	27.3	22.5
OTHER FRUITS AND NUTS	15.7	14.6
TOTAL HORTICULTURAL SPECIALTIES	26.1	26.4
ORNAMENTAL FLORAL & NURS PRD	23.1	23.5
FOOD CROPS GROWN UNDR COVER	3.0	2.9
GENERAL FARM PRIMARILY CROP	37.3	35.5
TOTAL AGRIC. PROD. LIVESTOCK	24.4	24.4
BEEF CATTLE FEED LOTS	0.7	0.7
BEEF CATTLE EXCEPT FEED LOTS	3.3	3.2
DAIRY FARMS	12.7	12.8
CHICKEN EGGS	2.4	2.4
TURKEYS & TURKEY EGGS	0.9	1.0
OTHER LIVESTOCK	4.4	4.3
TOTAL AGRICULTURAL SERVICES	147.7	143.9
SOIL PREPARATION SERVICES	0.8	0.8
CROP SERVICES	48.3	46.3
CROP PLANT-CULT-PROTECTION	4.0	4.2
CROP HARVEST PRIM. MACHINE	9.5	10.8
CROP PREP. SERV. FOR MARKET	34.3	30.8
COTTON GINNING	0.5	0.5
TOTAL FARM LABOR & MANAGEMENT	98.6	96.8
FARM LABOR CONTRACTORS	92.1	89.6
FARM MANAGEMENT SERVICES	6.5	7.2

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.



TABLE 1-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
CALIFORNIA  
(IN DOLLARS PER WEEK)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	263.76	265.86
TOTAL AGRIC. PROD. CROPS	275.12	276.18
CASH GRAINS	347.89	317.87
RICE	343.32	340.00
OTHER CASH GRAIN	351.81	302.49
FIELD CROPS EXCEPT CASH GRAIN	309.10	305.86
COTTON	309.92	307.59
OTHER FIELD CROPS	309.57	303.71
VEGETABLES AND MELONS	313.27	323.14
TOTAL FRUIT AND TREE NUTS	248.25	248.84
BERRIES	282.68	279.71
GRAPES	244.53	250.04
TREE NUTS	289.20	293.83
CITRUS FRUITS	300.42	290.75
DECIDUOUS TREE FRUIT	209.42	205.29
OTHER FRUITS AND NUTS	260.15	232.73
TOTAL HORTICULTURAL SPECIALTIES	296.46	293.85
ORNAMENTAL FLORAL & NURS PRD	297.07	288.11
FOOD CROPS GROWN UNDR COVER	285.67	337.76
GENERAL FARM PRIMARILY CROP	290.88	277.40
TOTAL AGRIC. PROD. LIVESTOCK	336.22	337.77
BEEF CATTLE FEED LOTS	364.82	393.39
BEEF CATTLE EXCEPT FEED LOTS	319.81	326.06
DAIRY FARMS	355.41	350.57
CHICKEN EGGS	305.60	304.32
TURKEYS & TURKEY EGGS	329.95	327.64
OTHER LIVESTOCK	307.22	320.12
TOTAL AGRICULTURAL SERVICES	232.99	236.60
SOIL PREPARATION SERVICES	536.52	576.45
CROP SERVICES	269.73	268.03
CROP PLANT-CULT-PROTECTION	342.51	321.10
CROP HARVEST PRIM. MACHINE	233.38	241.10
CROP PREP. SERV. FOR MARKET	269.12	269.28
COTTON GINNING	379.28	337.34
TOTAL FARM LABOR & MANAGEMENT	212.49	218.79
FARM LABOR CONTRACTORS	208.71	212.07
FARM MANAGEMENT SERVICES	274.34	301.81

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 1-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
CALIFORNIA  
(IN HOURS PER WEEK)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	41.8	42.0
TOTAL AGRIC. PROD. CROPS	43.6	43.7
CASH GRAINS	54.7	54.9
RICE	52.9	54.4
OTHER CASH GRAIN	56.2	55.3
FIELD CROPS EXCEPT CASH GRAIN	48.6	47.2
COTTON	47.1	45.3
OTHER FIELD CROPS	51.0	50.2
VEGETABLES AND MELONS	45.8	46.9
TOTAL FRUIT AND TREE NUTS	40.3	40.2
BERRIES	44.1	41.5
GRAPES	39.0	40.2
TREE NUTS	48.2	50.4
CITRUS FRUITS	41.9	41.3
DECIDUOUS TREE FRUIT	37.0	38.3
OTHER FRUITS AND NUTS	42.3	37.0
TOTAL HORTICULTURAL SPECIALTIES	45.4	45.0
ORNAMENTAL FLORAL & NURS PRD	46.2	45.3
FOOD CROPS GROWN UNDR COVER	38.5	42.7
GENERAL FARM PRIMARILY CROP	48.4	47.5
TOTAL AGRIC. PROD. LIVESTOCK	48.1	48.6
BEEF CATTLE FEED LOTS	56.3	55.8
BEEF CATTLE EXCEPT FEED LOTS	47.1	47.6
DAIRY FARMS	49.5	49.1
CHICKEN EGGS	47.9	50.3
TURKEYS & TURKEY EGGS	54.9	53.8
OTHER LIVESTOCK	42.2	44.4
TOTAL AGRICULTURAL SERVICES	37.7	38.1
SOIL PREPARATION SERVICES	52.6	54.9
CROP SERVICES	40.5	39.3
CROP PLANT-CULT-PROTECTION	49.0	47.5
CROP HARVEST PRIM. MACHINE	35.2	35.3
CROP PREP. SERV. FOR MARKET	40.9	39.6
COTTON GINNING	44.0	40.4
TOTAL FARM LABOR & MANAGEMENT	36.2	37.4
FARM LABOR CONTRACTORS	35.8	36.5
FARM MANAGEMENT SERVICES	42.6	48.6

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 1-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
CALIFORNIA  
(IN DOLLARS PER HOUR)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	6.31	6.33
TOTAL AGRIC. PROD. CROPS	6.31	6.32
CASH GRAINS	6.36	5.79
RICE	6.49	6.25
OTHER CASH GRAIN	6.26	5.47
FIELD CROPS EXCEPT CASH GRAIN	6.36	6.48
COTTON	6.58	6.79
OTHER FIELD CROPS	6.07	6.05
VEGETABLES AND MELONS	6.84	6.89
TOTAL FRUIT AND TREE NUTS	6.16	6.19
BERRIES	6.41	6.74
GRAPES	6.27	6.22
TREE NUTS	6.00	5.83
CITRUS FRUITS	7.17	7.04
DECIDUOUS TREE FRUIT	5.66	5.36
OTHER FRUITS AND NUTS	6.15	6.29
TOTAL HORTICULTURAL SPECIALTIES	6.53	6.53
ORNAMENTAL FLORAL & NURS PRD	6.43	6.36
FOOD CROPS GROWN UNDR COVER	7.42	7.91
GENERAL FARM PRIMARILY CROP	6.01	5.84
TOTAL AGRIC. PROD. LIVESTOCK	6.99	6.95
BEEF CATTLE FEED LOTS	6.48	7.05
BEEF CATTLE EXCEPT FEED LOTS	6.79	6.85
DAIRY FARMS	7.18	7.14
CHICKEN EGGS	6.38	6.05
TURKEYS & TURKEY EGGS	6.01	6.09
OTHER LIVESTOCK	7.28	7.21
TOTAL AGRICULTURAL SERVICES	6.18	6.21
SOIL PREPARATION SERVICES	10.20	10.50
CROP SERVICES	6.66	6.82
CROP PLANT-CULT-PROTECTION	6.99	6.76
CROP HARVEST PRIM. MACHINE	6.63	6.83
CROP PREP. SERV. FOR MARKET	6.58	6.80
COTTON GINNING	8.62	8.35
TOTAL FARM LABOR & MANAGEMENT	5.87	5.85
FARM LABOR CONTRACTORS	5.83	5.81
FARM MANAGEMENT SERVICES	6.44	6.21

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

TABLE 2-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
SAN JOAQUIN VALLEY REGION  
(IN THOUSANDS)

INDUSTRY	AUG 1991	JUL 1991	AUG 1990
TOTAL AGRICULTURAL	224.8	194.0	223.1
TOTAL AGRIC. PROD. CROPS	127.9	105.2	109.7
TOTAL FIELD CROPS	12.5	13.3	11.0
COTTON	9.0	9.5	7.2
OTHER FIELD CROPS	3.5	3.8	3.8
VEGETABLES AND MELONS	8.8	8.9	7.1
TOTAL FRUIT AND TREE NUTS	82.2	59.3	66.1
GRAPES	46.6	27.8	35.1
TREE NUTS	4.4	3.5	4.4
CITRUS FRUITS	1.6	1.7	2.6
DECIDUOUS TREE FRUIT	19.1	16.3	15.0
OTHER FRUITS AND NUTS	10.5	10.0	9.0
HORTICULTURAL SPECIALTIES	2.3	2.4	2.7
GENERAL FARM PRIMARILY CROP	22.1	21.3	22.8
TOTAL AGRIC. PROD. LIVESTOCK	14.7	14.8	14.2
BEEF CATTLE FEED LOTS	0.4	0.4	0.4
BEEF CATTLE EXCEPT FEED LOTS	1.5	1.5	1.6
DAIRY FARMS	8.9	9.0	8.2
POULTRY & EGGS	2.8	2.8	2.8
OTHER LIVESTOCK	1.1	1.1	1.2
TOTAL AGRICULTURAL SERVICES	82.2	74.0	99.2
CROP SERVICES	25.3	22.5	28.0
CROP PLANT-CULT-PROTECTION	3.3	3.4	3.9
CROP HARVEST PRIM. MACHINE	2.5	2.5	3.8
CROP PREP. SERV. FOR MARKET	18.6	15.8	19.5
COTTON GINNING	0.9	0.8	0.8
TOTAL FARM LABOR & MANAGEMENT	56.9	51.5	71.2
FARM LABOR CONTRACTORS	53.8	48.4	65.9
FARM MANAGEMENT SERVICES	3.1	3.1	5.3

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 2-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
SAN JOAQUIN VALLEY REGION  
(IN THOUSANDS)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	212.1	181.3
TOTAL AGRIC. PROD. CROPS	121.2	98.4
TOTAL FIELD CROPS	11.5	12.4
COTTON	8.4	9.0
OTHER FIELD CROPS	3.1	3.4
VEGETABLES AND MELONS	8.3	8.4
TOTAL FRUIT AND TREE NUTS	79.3	56.2
GRAPES	45.4	26.5
TREE NUTS	4.1	3.2
CITRUS FRUITS	1.4	1.5
DECIDUOUS TREE FRUIT	18.2	15.3
OTHER FRUITS AND NUTS	10.2	9.7
HORTICULTURAL SPECIALTIES	2.0	2.1
GENERAL FARM PRIMARILY CROP	20.1	19.3
TOTAL AGRIC. PROD. LIVESTOCK	13.4	13.5
BEEF CATTLE FEED LOTS	0.3	0.3
BEEF CATTLE EXCEPT FEED LOTS	1.3	1.3
DAIRY FARMS	8.3	8.4
POULTRY & EGGS	2.5	2.5
OTHER LIVESTOCK	1.0	1.0
TOTAL AGRICULTURAL SERVICES	77.5	69.4
CROP SERVICES	21.6	18.9
CROP PLANT-CULT-PROTECTION	2.5	2.6
CROP HARVEST PRIM. MACHINE	2.2	2.3
CROP PREP. SERV. FOR MARKET	16.4	13.5
COTTON GINNING	0.5	0.5
TOTAL FARM LABOR & MANAGEMENT	55.9	50.5
FARM LABOR CONTRACTORS	53.1	47.8
FARM MANAGEMENT SERVICES	2.8	2.7

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 2-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
SAN JOAQUIN VALLEY REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	249.13	242.60
TOTAL AGRIC. PROD. CROPS	258.86	247.78
TOTAL FIELD CROPS	315.41	310.48
COTTON	311.80	306.43
OTHER FIELD CROPS	327.01	320.08
VEGETABLES AND MELONS	255.50	250.86
TOTAL FRUIT AND TREE NUTS	247.42	231.66
GRAPES	254.40	237.01
TREE NUTS	296.36	297.10
CITRUS FRUITS	297.42	286.67
DECIDUOUS TREE FRUIT	211.66	204.36
OTHER FRUITS AND NUTS	255.62	230.03
HORTICULTURAL SPECIALTIES	310.91	321.08
GENERAL FARM PRIMARILY CROP	265.72	246.96
TOTAL AGRIC. PROD. LIVESTOCK	335.26	333.30
BEEF CATTLE FEED LOTS	403.82	419.62
BEEF CATTLE EXCEPT FEED LOTS	323.14	346.61
DAIRY FARMS	345.81	338.88
POULTRY & EGGS	312.12	306.68
OTHER LIVESTOCK	301.16	314.03
TOTAL AGRICULTURAL SERVICES	220.17	218.10
CROP SERVICES	259.53	254.62
CROP PLANT-CULT-PROTECTION	348.00	327.52
CROP HARVEST PRIM. MACHINE	259.30	282.58
CROP PREP. SERV. FOR MARKET	241.97	231.87
COTTON GINNING	386.71	343.61
TOTAL FARM LABOR & MANAGEMENT	204.79	203.84
FARM LABOR CONTRACTORS	201.12	197.89
FARM MANAGEMENT SERVICES	272.22	310.73

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 2-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
SAN JOAQUIN VALLEY REGION  
(IN HOURS PER WEEK)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	41.8	41.9
TOTAL AGRIC. PROD. CROPS	43.0	42.5
TOTAL FIELD CROPS	48.6	46.9
COTTON	47.1	44.8
OTHER FIELD CROPS	53.0	52.3
VEGETABLES AND MELONS	43.6	45.2
TOTAL FRUIT AND TREE NUTS	41.1	40.5
GRAPES	41.5	41.8
TREE NUTS	47.8	50.7
CITRUS FRUITS	46.4	43.9
DECIDUOUS TREE FRUIT	38.0	39.3
OTHER FRUITS AND NUTS	41.7	34.8
HORTICULTURAL SPECIALTIES	44.8	46.0
GENERAL FARM PRIMARILY CROP	46.7	44.1
TOTAL AGRIC. PROD. LIVESTOCK	48.8	48.8
BEEF CATTLE FEED LOTS	66.2	63.1
BEEF CATTLE EXCEPT FEED LOTS	46.9	50.6
DAIRY FARMS	49.9	49.4
POULTRY & EGGS	45.3	45.3
OTHER LIVESTOCK	45.7	46.8
TOTAL AGRICULTURAL SERVICES	38.9	39.8
CROP SERVICES	43.4	41.2
CROP PLANT-CULT-PROTECTION	48.2	46.0
CROP HARVEST PRIM. MACHINE	43.8	46.4
CROP PREP. SERV. FOR MARKET	42.6	39.3
COTTON GINNING	44.5	41.2
TOTAL FARM LABOR & MANAGEMENT	37.1	39.2
FARM LABOR CONTRACTORS	36.7	38.5
FARM MANAGEMENT SERVICES	44.7	52.4

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 2-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
SAN JOAQUIN VALLEY REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	5.96	5.79
TOTAL AGRIC. PROD. CROPS	6.02	5.83
TOTAL FIELD CROPS	6.49	6.62
COTTON	6.62	6.84
OTHER FIELD CROPS	6.17	6.12
VEGETABLES AND MELONS	5.86	5.55
TOTAL FRUIT AND TREE NUTS	6.02	5.72
GRAPES	6.13	5.67
TREE NUTS	6.20	5.86
CITRUS FRUITS	6.41	6.53
DECIDUOUS TREE FRUIT	5.57	5.20
OTHER FRUITS AND NUTS	6.13	6.61
HORTICULTURAL SPECIALTIES	6.94	6.98
GENERAL FARM PRIMARILY CROP	5.69	5.60
TOTAL AGRIC. PROD. LIVESTOCK	6.87	6.83
BEEF CATTLE FEED LOTS	6.10	6.65
BEEF CATTLE EXCEPT FEED LOTS	6.89	6.85
DAIRY FARMS	6.93	6.86
POULTRY & EGGS	6.89	6.77
OTHER LIVESTOCK	6.59	6.71
TOTAL AGRICULTURAL SERVICES	5.66	5.48
CROP SERVICES	5.98	6.18
CROP PLANT-CULT-PROTECTION	7.22	7.12
CROP HARVEST PRIM. MACHINE	5.92	6.09
CROP PREP. SERV. FOR MARKET	5.68	5.90
COTTON GINNING	8.69	8.34
TOTAL FARM LABOR & MANAGEMENT	5.52	5.20
FARM LABOR CONTRACTORS	5.48	5.14
FARM MANAGEMENT SERVICES	6.09	5.93

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.



TABLE 3-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
SOUTH COAST REGION  
(IN THOUSANDS)

INDUSTRY	AUG 1991	JUL 1991	AUG 1990
TOTAL AGRICULTURAL	63.6	72.8	68.4
TOTAL AGRIC. PROD. CROPS	42.2	49.9	41.7
VEGETABLES AND MELONS	12.2	14.1	11.0
TOTAL FRUIT AND TREE NUTS	10.0	15.8	10.9
BERRIES	4.7	10.6	5.7
GRAPES	1.1	0.9	1.0
CITRUS FRUITS	2.2	2.3	2.0
OTHER FRUITS AND NUTS	2.0	2.0	2.2
TOTAL HORTICULTURAL SPECIALTIES	16.1	15.7	16.3
ORNAMENTAL FLORAL & NURS PRD	15.5	15.1	15.5
FOOD CROPS GROWN UNDR COVER	0.6	0.6	0.8
GENERAL FARM PRIMARILY CROP	3.9	4.3	3.5
TOTAL AGRIC. PROD. LIVESTOCK	2.8	2.9	2.8
TOTAL AGRICULTURAL SERVICES	18.6	20.0	23.9
CROP SERVICES	5.3	5.3	4.7
CROP HARVEST PRIM. MACHINE	2.2	2.2	1.7
CROP PREP. SERV. FOR MARKET	3.1	3.1	3.0
TOTAL FARM LABOR & MANAGEMENT	13.3	14.7	19.2
FARM LABOR CONTRACTORS	11.5	11.7	16.9
FARM MANAGEMENT SERVICES	1.8	3.0	2.3

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 3-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
SOUTH COAST REGION  
(IN THOUSANDS)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	56.2	65.7
TOTAL AGRIC. PROD. CROPS	36.7	44.7
VEGETABLES AND MELONS	10.9	12.7
TOTAL FRUIT AND TREE NUTS	9.3	15.1
BERRIES	4.5	10.3
GRAPES	1.0	0.9
CITRUS FRUITS	2.0	2.0
OTHER FRUITS AND NUTS	1.8	1.9
TOTAL HORTICULTURAL SPECIALTIES	12.9	12.9
ORNAMENTAL FLORAL & NURS PRD	12.4	12.4
FOOD CROPS GROWN UNDR COVER	0.5	0.5
GENERAL FARM PRIMARILY CROP	3.6	4.0
TOTAL AGRIC. PROD. LIVESTOCK	2.2	2.2
TOTAL AGRICULTURAL SERVICES	17.3	18.8
CROP SERVICES	4.9	5.0
CROP HARVEST PRIM. MACHINE	2.1	2.2
CROP PREP. SERV. FOR MARKET	2.8	2.8
TOTAL FARM LABOR & MANAGEMENT	12.4	13.8
FARM LABOR CONTRACTORS	10.9	11.2
FARM MANAGEMENT SERVICES	1.5	2.6

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 3-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
SOUTH COAST REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	284.92	280.36
TOTAL AGRIC. PROD. CROPS	292.10	283.27
VEGETABLES AND MELONS	294.35	290.60
TOTAL FRUIT AND TREE NUTS	269.14	264.32
BERRIES	239.27	253.49
GRAPES	281.95	278.10
CITRUS FRUITS	301.05	310.65
OTHER FRUITS AND NUTS	299.11	268.19
TOTAL HORTICULTURAL SPECIALTIES	297.65	286.44
ORNAMENTAL FLORAL & NURS PRD	299.18	286.44
FOOD CROPS GROWN UNDR COVER	252.41	289.94
GENERAL FARM PRIMARILY CROP	320.52	318.40
TOTAL AGRIC. PROD. LIVESTOCK	304.02	310.86
TOTAL AGRICULTURAL SERVICES	267.33	269.88
CROP SERVICES	308.11	291.31
CROP HARVEST PRIM. MACHINE	263.09	261.97
CROP PREP. SERV. FOR MARKET	342.59	312.84
TOTAL FARM LABOR & MANAGEMENT	251.18	261.76
FARM LABOR CONTRACTORS	243.91	263.16
FARM MANAGEMENT SERVICES	300.65	257.83

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 3-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
SOUTH COAST REGION  
(IN HOURS PER WEEK)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	43.7	43.0
TOTAL AGRIC. PROD. CROPS	46.0	44.4
VEGETABLES AND MELONS	46.5	46.2
TOTAL FRUIT AND TREE NUTS	43.2	41.3
BERRIES	40.9	39.3
GRAPES	41.1	39.9
CITRUS FRUITS	44.6	47.5
OTHER FRUITS AND NUTS	48.4	46.4
TOTAL HORTICULTURAL SPECIALTIES	47.7	46.2
ORNAMENTAL FLORAL & NURS PRD	48.1	46.5
FOOD CROPS GROWN UNDR COVER	35.5	38.1
GENERAL FARM PRIMARILY CROP	45.4	44.1
TOTAL AGRIC. PROD. LIVESTOCK	46.7	48.8
TOTAL AGRICULTURAL SERVICES	38.3	39.0
CROP SERVICES	39.1	37.3
CROP HARVEST PRIM. MACHINE	34.8	34.2
CROP PREP. SERV. FOR MARKET	42.4	39.6
TOTAL FARM LABOR & MANAGEMENT	38.0	39.6
FARM LABOR CONTRACTORS	36.9	38.7
FARM MANAGEMENT SERVICES	45.9	43.7

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 3-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
SOUTH COAST REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	6.52	6.52
TOTAL AGRIC. PROD. CROPS	6.35	6.38
VEGETABLES AND MELONS	6.33	6.29
TOTAL FRUIT AND TREE NUTS	6.23	6.40
BERRIES	5.85	6.45
GRAPES	6.86	6.97
CITRUS FRUITS	6.75	6.54
OTHER FRUITS AND NUTS	6.18	5.78
TOTAL HORTICULTURAL SPECIALTIES	6.24	6.20
ORNAMENTAL FLORAL & NURS PRD	6.22	6.16
FOOD CROPS GROWN UNDR COVER	7.11	7.61
GENERAL FARM PRIMARILY CROP	7.06	7.22
TOTAL AGRIC. PROD. LIVESTOCK	6.51	6.37
TOTAL AGRICULTURAL SERVICES	6.98	6.92
CROP SERVICES	7.88	7.81
CROP HARVEST PRIM. MACHINE	7.56	7.66
CROP PREP. SERV. FOR MARKET	8.08	7.90
TOTAL FARM LABOR & MANAGEMENT	6.61	6.61
FARM LABOR CONTRACTORS	6.61	6.80
FARM MANAGEMENT SERVICES	6.55	5.90

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

TABLE 4-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
CENTRAL COAST REGION  
(IN THOUSANDS)

INDUSTRY	AUG 1991	JUL 1991	AUG 1990
TOTAL AGRICULTURAL	78.8	78.8	68.8
TOTAL AGRIC. PROD. CROPS	52.0	54.2	44.5
VEGETABLES AND MELONS	18.6	18.2	14.7
TOTAL FRUIT AND TREE NUTS	17.7	21.4	15.2
BERRIES	14.9	16.9	11.3
GRAPES	1.1	1.4	1.1
DECIDUOUS TREE FRUIT	0.9	1.9	1.8
OTHER FRUITS AND NUTS	0.8	1.2	1.0
TOTAL HORTICULTURAL SPECIALTIES	9.6	9.4	10.2
ORNAMENTAL FLORAL & NURS PRD	7.4	7.2	7.9
FOOD CROPS GROWN UNDR COVER	2.2	2.2	2.3
GENERAL FARM PRIMARILY CROP	6.1	5.2	4.4
TOTAL AGRIC. PROD. LIVESTOCK	1.2	1.2	1.3
TOTAL AGRICULTURAL SERVICES	25.6	23.4	23.0
CROP SERVICES	12.2	12.7	11.3
CROP HARVEST PRIM. MACHINE	3.6	4.0	3.4
CROP PREP. SERV. FOR MARKET	8.6	8.7	7.9
TOTAL FARM LABOR & MANAGEMENT	13.4	10.7	11.7
FARM LABOR CONTRACTORS	12.8	10.1	11.2
FARM MANAGEMENT SERVICES	0.6	0.6	0.5

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 4-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
CENTRAL COAST REGION  
(IN THOUSANDS)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	73.3	73.4
TOTAL AGRIC. PROD. CROPS	48.0	50.3
VEGETABLES AND MELONS	17.2	16.9
TOTAL FRUIT AND TREE NUTS	17.0	20.6
BERRIES	14.6	16.6
GRAPES	0.9	1.1
DECIDUOUS TREE FRUIT	0.8	1.8
OTHER FRUITS AND NUTS	0.7	1.1
TOTAL HORTICULTURAL SPECIALTIES	8.0	7.8
ORNAMENTAL FLORAL & NURS PRD	6.0	5.8
FOOD CROPS GROWN UNDR COVER	2.0	2.0
GENERAL FARM PRIMARILY CROP	5.8	5.0
TOTAL AGRIC. PROD. LIVESTOCK	1.0	0.9
TOTAL AGRICULTURAL SERVICES	24.3	22.2
CROP SERVICES	11.1	11.7
CROP HARVEST PRIM. MACHINE	3.2	3.7
CROP PREP. SERV. FOR MARKET	7.9	8.0
TOTAL FARM LABOR & MANAGEMENT	13.2	10.5
FARM LABOR CONTRACTORS	12.7	10.0
FARM MANAGEMENT SERVICES	0.5	0.5

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 4-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
CENTRAL COAST REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	302.29	314.33
TOTAL AGRIC. PROD. CROPS	312.50	321.04
VEGETABLES AND MELONS	342.43	361.48
TOTAL FRUIT AND TREE NUTS	301.94	295.12
BERRIES	305.06	309.84
GRAPES	348.30	358.80
DECIDUOUS TREE FRUIT	203.24	167.87
OTHER FRUITS AND NUTS	284.63	203.04
TOTAL HORTICULTURAL SPECIALTIES	305.92	319.41
ORNAMENTAL FLORAL & NURS PRD	296.96	293.15
FOOD CROPS GROWN UNDR COVER	332.83	393.94
GENERAL FARM PRIMARILY CROP	265.65	293.44
TOTAL AGRIC. PROD. LIVESTOCK	316.78	310.86
TOTAL AGRICULTURAL SERVICES	282.10	299.91
CROP SERVICES	316.52	324.35
CROP HARVEST PRIM. MACHINE	304.23	291.58
CROP PREP. SERV. FOR MARKET	321.20	339.69
TOTAL FARM LABOR & MANAGEMENT	252.98	272.37
FARM LABOR CONTRACTORS	251.08	266.25
FARM MANAGEMENT SERVICES	298.68	390.85

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.



TABLE 4-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
CENTRAL COAST REGION  
(IN HOURS PER WEEK)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	43.0	43.0
TOTAL AGRIC. PROD. CROPS	44.9	44.9
VEGETABLES AND MELONS	46.4	47.5
TOTAL FRUIT AND TREE NUTS	44.6	42.1
BERRIES	45.6	44.2
GRAPES	45.0	46.0
DECIDUOUS TREE FRUIT	34.1	28.5
OTHER FRUITS AND NUTS	34.5	27.0
TOTAL HORTICULTURAL SPECIALTIES	44.4	45.5
ORNAMENTAL FLORAL & NURS PRD	46.4	45.1
FOOD CROPS GROWN UNDR COVER	38.3	46.4
GENERAL FARM PRIMARILY CROP	42.1	46.8
TOTAL AGRIC. PROD. LIVESTOCK	40.2	39.2
TOTAL AGRICULTURAL SERVICES	39.4	39.0
CROP SERVICES	41.0	39.7
CROP HARVEST PRIM. MACHINE	43.4	41.3
CROP PREP. SERV. FOR MARKET	40.0	39.0
TOTAL FARM LABOR & MANAGEMENT	38.1	38.2
FARM LABOR CONTRACTORS	38.1	37.5
FARM MANAGEMENT SERVICES	38.0	51.7

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 4-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
CENTRAL COAST REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	7.03	7.31
TOTAL AGRIC. PROD. CROPS	6.96	7.15
VEGETABLES AND MELONS	7.38	7.61
TOTAL FRUIT AND TREE NUTS	6.77	7.01
BERRIES	6.69	7.01
GRAPES	7.74	7.80
DECIDUOUS TREE FRUIT	5.96	5.89
OTHER FRUITS AND NUTS	8.25	7.52
TOTAL HORTICULTURAL SPECIALTIES	6.89	7.02
ORNAMENTAL FLORAL & NURS PRD	6.40	6.50
FOOD CROPS GROWN UNDR COVER	8.69	8.49
GENERAL FARM PRIMARILY CROP	6.31	6.27
TOTAL AGRIC. PROD. LIVESTOCK	7.88	7.93
TOTAL AGRICULTURAL SERVICES	7.16	7.69
CROP SERVICES	7.72	8.17
CROP HARVEST PRIM. MACHINE	7.01	7.06
CROP PREP. SERV. FOR MARKET	8.03	8.71
TOTAL FARM LABOR & MANAGEMENT	6.64	7.13
FARM LABOR CONTRACTORS	6.59	7.10
FARM MANAGEMENT SERVICES	7.86	7.56

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

TABLE 5-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
DESERT REGION  
(IN THOUSANDS)

INDUSTRY	AUG 1991	JUL 1991	AUG 1990
TOTAL AGRICULTURAL	31.0	41.3	29.0
TOTAL AGRIC. PROD. CROPS	9.3	15.7	8.8
FIELD CROPS	1.8	1.8	1.8
VEGETABLES AND MELONS	1.8	2.4	1.6
TOTAL FRUIT AND TREE NUTS	2.4	7.8	2.1
GRAPES	1.4	6.0	0.5
CITRUS FRUITS	0.3	0.4	0.6
OTHER FRUITS AND NUTS	0.7	1.4	1.0
HORTICULTURAL SPECIALTIES	0.9	0.9	1.0
GENERAL FARM PRIMARILY CROP	2.4	2.8	2.3
TOTAL AGRIC. PROD. LIVESTOCK	5.2	5.1	5.6
DAIRY FARMS	2.2	2.2	2.5
CHICKEN EGGS	1.3	1.3	1.5
OTHER LIVESTOCK	1.7	1.6	1.6
TOTAL AGRICULTURAL SERVICES	16.5	20.5	14.6
CROP SERVICES	6.3	7.9	6.1
CROP PLANT-CULT-PROTECTION	0.8	0.8	0.7
CROP HARVEST PRIM. MACHINE	1.1	2.4	1.1
CROP PREP. SERV. FOR MARKET	4.4	4.7	4.3
TOTAL FARM LABOR & MANAGEMENT	10.2	12.6	8.5

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 5-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
DESERT REGION  
(IN THOUSANDS)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	28.1	38.2
TOTAL AGRIC. PROD. CROPS	7.9	14.4
FIELD CROPS	1.6	1.5
VEGETABLES AND MELONS	1.7	2.4
TOTAL FRUIT AND TREE NUTS	2.0	7.4
GRAPES	1.1	5.7
CITRUS FRUITS	0.3	0.4
OTHER FRUITS AND NUTS	0.6	1.3
HORTICULTURAL SPECIALTIES	0.7	0.8
GENERAL FARM PRIMARILY CROP	1.9	2.3
TOTAL AGRIC. PROD. LIVESTOCK	4.4	4.3
DAIRY FARMS	2.1	2.1
CHICKEN EGGS	0.9	0.9
OTHER LIVESTOCK	1.4	1.3
TOTAL AGRICULTURAL SERVICES	15.8	19.5
CROP SERVICES	5.7	7.2
CROP PLANT-CULT-PROTECTION	0.6	0.6
CROP HARVEST PRIM. MACHINE	1.0	2.2
CROP PREP. SERV. FOR MARKET	4.1	4.4
TOTAL FARM LABOR & MANAGEMENT	10.1	12.3

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 5-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
DESERT REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	262.60	262.40
TOTAL AGRIC. PROD. CROPS	317.36	286.24
FIELD CROPS	325.56	316.82
VEGETABLES AND MELONS	311.71	344.31
TOTAL FRUIT AND TREE NUTS	280.27	255.42
GRAPES	282.50	248.71
CITRUS FRUITS	304.41	282.34
OTHER FRUITS AND NUTS	262.08	275.18
HORTICULTURAL SPECIALTIES	292.99	298.15
GENERAL FARM PRIMARILY CROP	364.42	299.43
TOTAL AGRIC. PROD. LIVESTOCK	392.00	408.55
DAIRY FARMS	464.58	483.38
CHICKEN EGGS	289.92	295.55
OTHER LIVESTOCK	349.80	365.96
TOTAL AGRICULTURAL SERVICES	199.13	212.26
CROP SERVICES	245.39	248.05
CROP PLANT-CULT-PROTECTION	290.12	276.05
CROP HARVEST PRIM. MACHINE	189.33	241.33
CROP PREP. SERV. FOR MARKET	252.33	247.08
TOTAL FARM LABOR & MANAGEMENT	172.28	191.81

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 5-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
DESERT REGION  
(IN HOURS PER WEEK)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	40.4	39.4
TOTAL AGRIC. PROD. CROPS	49.9	43.7
FIELD CROPS	53.9	51.1
VEGETABLES AND MELONS	52.3	49.9
TOTAL FRUIT AND TREE NUTS	44.7	39.6
GRAPES	47.8	38.8
CITRUS FRUITS	43.8	40.8
OTHER FRUITS AND NUTS	39.0	42.4
HORTICULTURAL SPECIALTIES	41.5	44.5
GENERAL FARM PRIMARILY CROP	53.2	45.3
TOTAL AGRIC. PROD. LIVESTOCK	49.0	50.5
DAIRY FARMS	48.8	50.3
CHICKEN EGGS	48.0	51.4
OTHER LIVESTOCK	49.9	50.2
TOTAL AGRICULTURAL SERVICES	33.3	33.8
CROP SERVICES	39.9	41.0
CROP PLANT-CULT-PROTECTION	51.9	48.6
CROP HARVEST PRIM. MACHINE	32.7	35.7
CROP PREP. SERV. FOR MARKET	39.8	42.6
TOTAL FARM LABOR & MANAGEMENT	29.5	29.6

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 5-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
DESERT REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	6.50	6.66
TOTAL AGRIC. PROD. CROPS	6.36	6.55
FIELD CROPS	6.04	6.20
VEGETABLES AND MELONS	5.96	6.90
TOTAL FRUIT AND TREE NUTS	6.27	6.45
GRAPES	5.91	6.41
CITRUS FRUITS	6.95	6.92
OTHER FRUITS AND NUTS	6.72	6.49
HORTICULTURAL SPECIALTIES	7.06	6.70
GENERAL FARM PRIMARILY CROP	6.85	6.61
TOTAL AGRIC. PROD. LIVESTOCK	8.00	8.09
DAIRY FARMS	9.52	9.61
CHICKEN EGGS	6.04	5.75
OTHER LIVESTOCK	7.01	7.29
TOTAL AGRICULTURAL SERVICES	5.98	6.28
CROP SERVICES	6.15	6.05
CROP PLANT-CULT-PROTECTION	5.59	5.68
CROP HARVEST PRIM. MACHINE	5.79	6.76
CROP PREP. SERV. FOR MARKET	6.34	5.80
TOTAL FARM LABOR & MANAGEMENT	5.84	6.48

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

TABLE 6-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
SACRAMENTO VALLEY REGION  
(IN THOUSANDS)

INDUSTRY	AUG 1991	JUL 1991	AUG 1990
TOTAL AGRICULTURAL	39.7	34.6	38.6
TOTAL AGRIC. PROD. CROPS	29.2	24.3	27.9
RICE	1.5	1.4	1.5
VEGETABLES AND MELONS	1.9	1.7	2.5
TOTAL FRUIT AND TREE NUTS	13.6	9.0	12.7
TREE NUTS	2.0	1.7	2.3
DECIDUOUS TREE FRUIT	8.8	5.0	7.9
OTHER FRUITS AND NUTS	2.8	2.3	2.5
HORTICULTURAL SPECIALTIES	2.4	2.9	2.1
GENERAL FARM PRIMARILY CROP	9.8	9.3	9.1
TOTAL AGRIC. PROD. LIVESTOCK	2.2	2.2	2.2
TOTAL AGRICULTURAL SERVICES	8.3	8.1	8.5
CROP SERVICES	3.0	3.0	3.0
CROP HARVEST PRIM. MACHINE	1.6	1.7	1.4
CROP PREP. SERV. FOR MARKET	1.4	1.3	1.6
TOTAL FARM LABOR & MANAGEMENT	5.3	5.1	5.5

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.



TABLE 6-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
SACRAMENTO VALLEY REGION  
(IN THOUSANDS)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	36.9	31.5
TOTAL AGRIC. PROD. CROPS	27.3	22.0
RICE	1.3	1.1
VEGETABLES AND MELONS	1.8	1.6
TOTAL FRUIT AND TREE NUTS	12.8	8.1
TREE NUTS	1.7	1.5
DECIDUOUS TREE FRUIT	8.4	4.5
OTHER FRUITS AND NUTS	2.7	2.1
HORTICULTURAL SPECIALTIES	2.2	2.6
GENERAL FARM PRIMARILY CROP	9.2	8.6
TOTAL AGRIC. PROD. LIVESTOCK	1.9	1.9
TOTAL AGRICULTURAL SERVICES	7.7	7.6
CROP SERVICES	2.6	2.6
CROP HARVEST PRIM. MACHINE	1.3	1.4
CROP PREP. SERV. FOR MARKET	1.3	1.2
TOTAL FARM LABOR & MANAGEMENT	5.1	5.0

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 6-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
SACRAMENTO VALLEY REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	262.55	270.65
TOTAL AGRIC. PROD. CROPS	273.14	283.22
RICE	356.58	354.56
VEGETABLES AND MELONS	343.34	371.00
TOTAL FRUIT AND TREE NUTS	230.66	253.13
TREE NUTS	269.23	287.68
DECIDUOUS TREE FRUIT	212.21	237.69
OTHER FRUITS AND NUTS	265.68	260.15
HORTICULTURAL SPECIALTIES	262.05	248.54
GENERAL FARM PRIMARILY CROP	309.41	296.99
TOTAL AGRIC. PROD. LIVESTOCK	324.22	319.48
TOTAL AGRICULTURAL SERVICES	208.44	221.94
CROP SERVICES	269.10	278.97
CROP HARVEST PRIM. MACHINE	293.45	311.36
CROP PREP. SERV. FOR MARKET	245.70	240.79
TOTAL FARM LABOR & MANAGEMENT	178.78	193.12

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 6-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
SACRAMENTO VALLEY REGION  
(IN HOURS PER WEEK)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	44.2	47.4
TOTAL AGRIC. PROD. CROPS	45.6	49.6
RICE	53.3	55.4
VEGETABLES AND MELONS	48.7	54.8
TOTAL FRUIT AND TREE NUTS	39.7	44.1
TREE NUTS	47.4	49.6
DECIDUOUS TREE FRUIT	37.1	40.7
OTHER FRUITS AND NUTS	43.2	47.3
HORTICULTURAL SPECIALTIES	43.1	43.3
GENERAL FARM PRIMARILY CROP	52.8	55.1
TOTAL AGRIC. PROD. LIVESTOCK	45.6	49.0
TOTAL AGRICULTURAL SERVICES	38.6	40.5
CROP SERVICES	39.4	41.7
CROP HARVEST PRIM. MACHINE	41.1	44.8
CROP PREP. SERV. FOR MARKET	37.8	38.1
TOTAL FARM LABOR & MANAGEMENT	38.2	39.9

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 6-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
SACRAMENTO VALLEY REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	5.94	5.71
TOTAL AGRIC. PROD. CROPS	5.99	5.71
RICE	6.69	6.40
VEGETABLES AND MELONS	7.05	6.77
TOTAL FRUIT AND TREE NUTS	5.81	5.74
TREE NUTS	5.68	5.80
DECIDUOUS TREE FRUIT	5.72	5.84
OTHER FRUITS AND NUTS	6.15	5.50
HORTICULTURAL SPECIALTIES	6.08	5.74
GENERAL FARM PRIMARILY CROP	5.86	5.39
TOTAL AGRIC. PROD. LIVESTOCK	7.11	6.52
TOTAL AGRICULTURAL SERVICES	5.40	5.48
CROP SERVICES	6.83	6.69
CROP HARVEST PRIM. MACHINE	7.14	6.95
CROP PREP. SERV. FOR MARKET	6.50	6.32
TOTAL FARM LABOR & MANAGEMENT	4.68	4.84

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

TABLE 7-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
NORTH COAST REGION  
(IN THOUSANDS)

INDUSTRY	AUG 1991	JUL 1991	AUG 1990
TOTAL AGRICULTURAL	16.6	14.1	16.5
TOTAL AGRIC. PROD. CROPS	10.8	10.1	11.6
TOTAL FRUIT AND TREE NUTS	8.9	8.3	9.8
GRAPES	6.3	7.0	6.5
OTHER FRUITS AND NUTS	2.6	1.3	3.3
TOTAL HORTICULTURAL SPECIALTIES	1.2	1.2	1.3
GENERAL FARM PRIMARILY CROP (2)	0.7	0.6	0.5
TOTAL AGRIC. PROD. LIVESTOCK	2.1	2.1	2.2
TOTAL AGRICULTURAL SERVICES	3.7	1.9	2.7

- (1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.
- (2) INSUFFICIENT SAMPLE TO SUPPORT PRODUCTION WORKER, OR HOURS AND EARNINGS ESTIMATES.

TABLE 7-B  
 AGRICULTURAL PRODUCTION WORKERS (1)  
 NORTH COAST REGION  
 (IN THOUSANDS)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	13.6	11.6
TOTAL AGRIC. PROD. CROPS	8.3	8.1
TOTAL FRUIT AND TREE NUTS	6.7	6.6
GRAPES	4.3	5.4
OTHER FRUITS AND NUTS	2.4	1.2
TOTAL HORTICULTURAL SPECIALTIES	1.0	1.0
TOTAL AGRIC. PROD. LIVESTOCK	1.8	1.7
TOTAL AGRICULTURAL SERVICES	3.5	1.8

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 7-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
NORTH COAST REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	303.73	287.73
TOTAL AGRIC. PROD. CROPS	274.96	275.49
TOTAL FRUIT AND TREE NUTS	271.88	271.44
GRAPES	289.73	280.80
OTHER FRUITS AND NUTS	240.66	227.14
TOTAL HORTICULTURAL SPECIALTIES	288.15	293.66
TOTAL AGRIC. PROD. LIVESTOCK	327.08	297.02
TOTAL AGRICULTURAL SERVICES	360.45	336.07

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 7-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
NORTH COAST REGION  
(IN HOURS PER WEEK)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	42.9	41.7
TOTAL AGRIC. PROD. CROPS	41.1	40.1
TOTAL FRUIT AND TREE NUTS	40.1	39.0
GRAPES	39.1	38.1
OTHER FRUITS AND NUTS	42.0	43.1
TOTAL HORTICULTURAL SPECIALTIES	40.3	39.9
TOTAL AGRIC. PROD. LIVESTOCK	48.6	44.8
TOTAL AGRICULTURAL SERVICES	44.5	46.1

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.



TABLE 7-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
NORTH COAST REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	AUG 1991	JUL 1991
TOTAL AGRICULTURAL	7.08	6.90
TOTAL AGRIC. PROD. CROPS	6.69	6.87
TOTAL FRUIT AND TREE NUTS	6.78	6.96
GRAPES	7.41	7.37
OTHER FRUITS AND NUTS	5.73	5.27
TOTAL HORTICULTURAL SPECIALTIES	7.15	7.36
TOTAL AGRIC. PROD. LIVESTOCK	6.73	6.63
TOTAL AGRICULTURAL SERVICES	8.10	7.29

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.